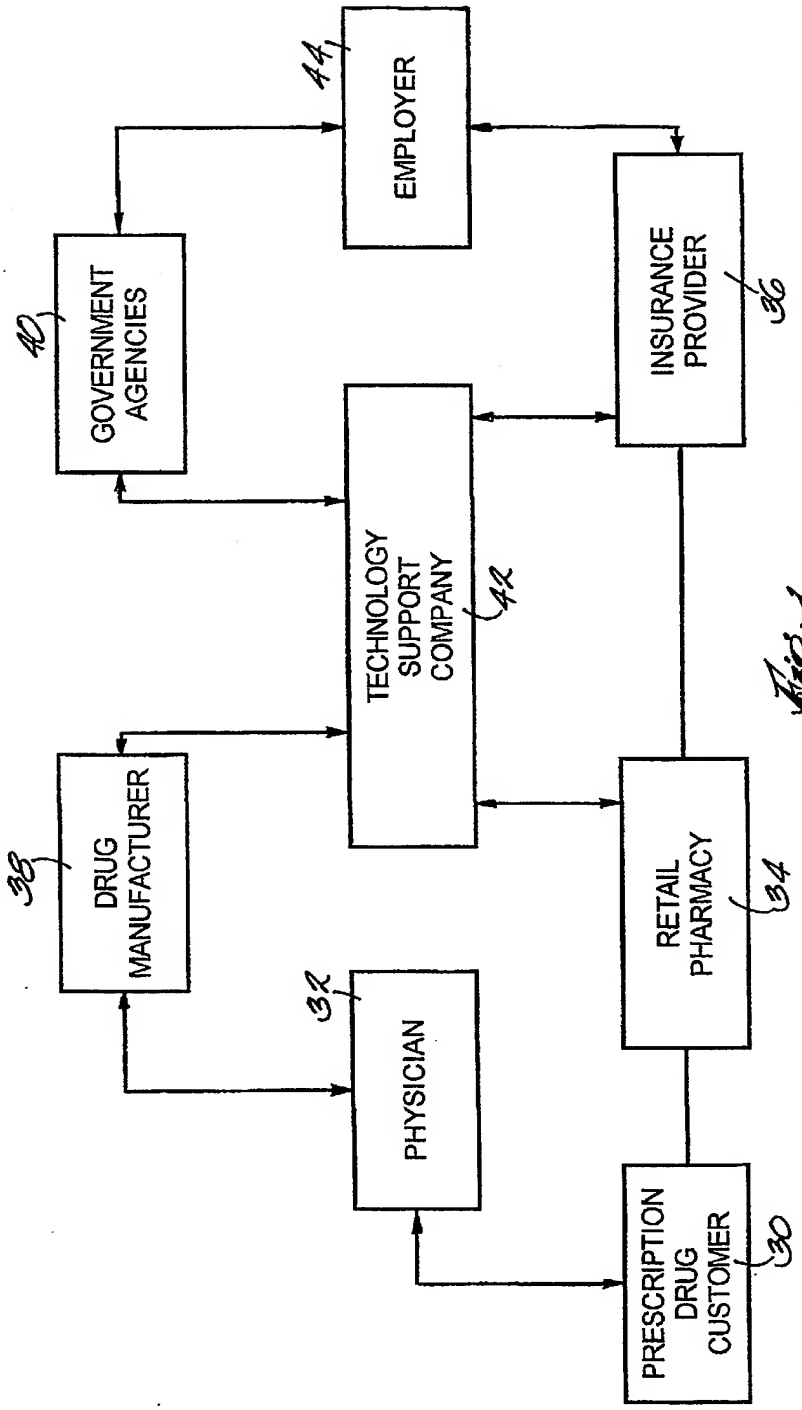



Fig. 1 PRIOR ART

20020820 081504001

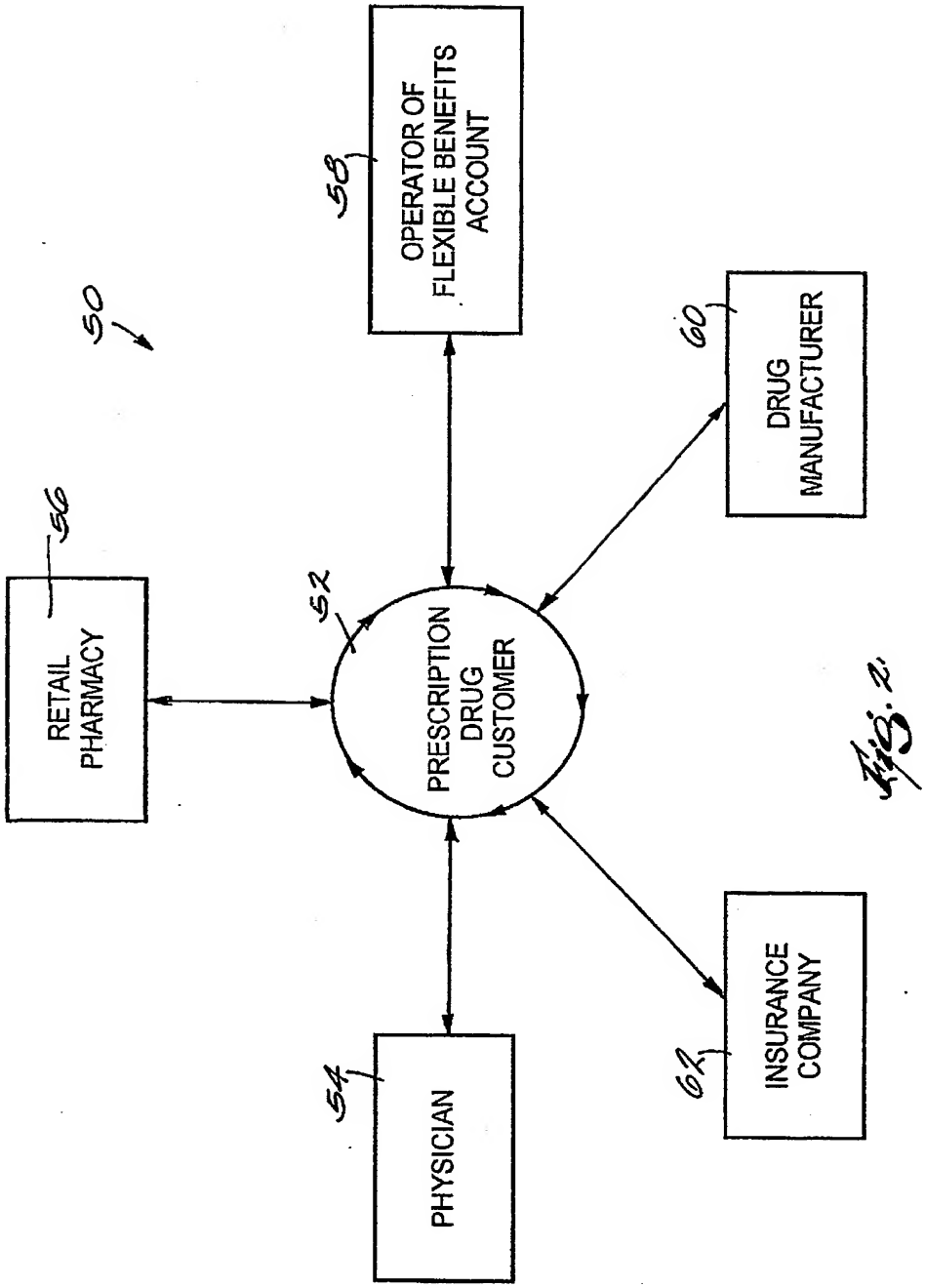

50
OPERATOR OF FLEXIBLE BENEFITS ACCOUNT
58
DRUG MANUFACTURER
60
RETAIL PHARMACY
56
PRESCRIPTION DRUG CUSTOMER
52
PHYSICIAN
54
INSURANCE COMPANY
62

Fig. 2.

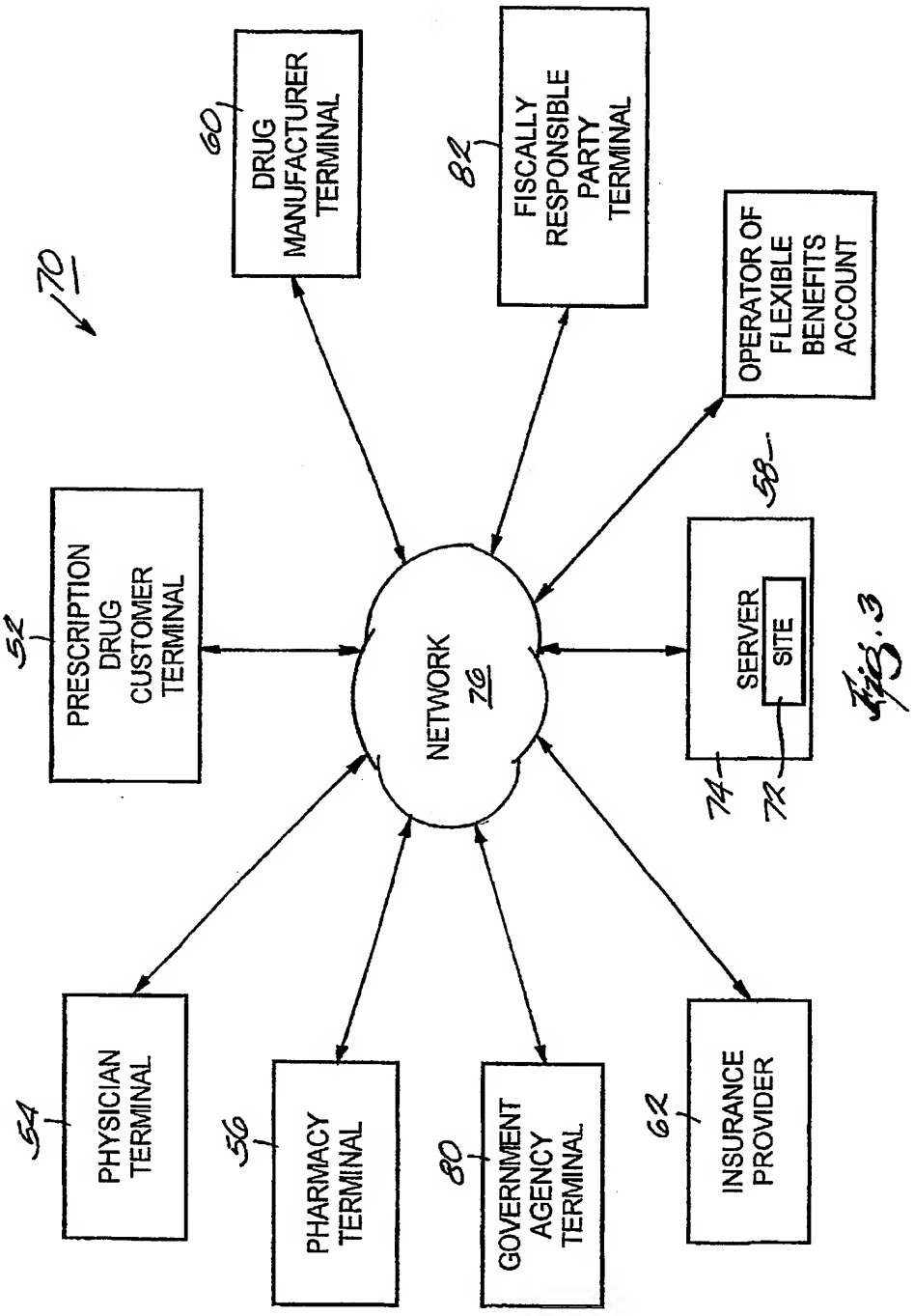

70
DRUG MANUFACTURER TERMINAL
60
FISCALLY RESPONSIBLE PARTY TERMINAL
82
OPERATOR OF FLEXIBLE BENEFITS ACCOUNT
PRESCRIPTION DRUG CUSTOMER TERMINAL
52
NETWORK
76
SERVER
SITE
58
74
72
PHYSICIAN TERMINAL
54
PHARMACY TERMINAL
56
GOVERNMENT AGENCY TERMINAL
80
INSURANCE PROVIDER
62

Fig. 3

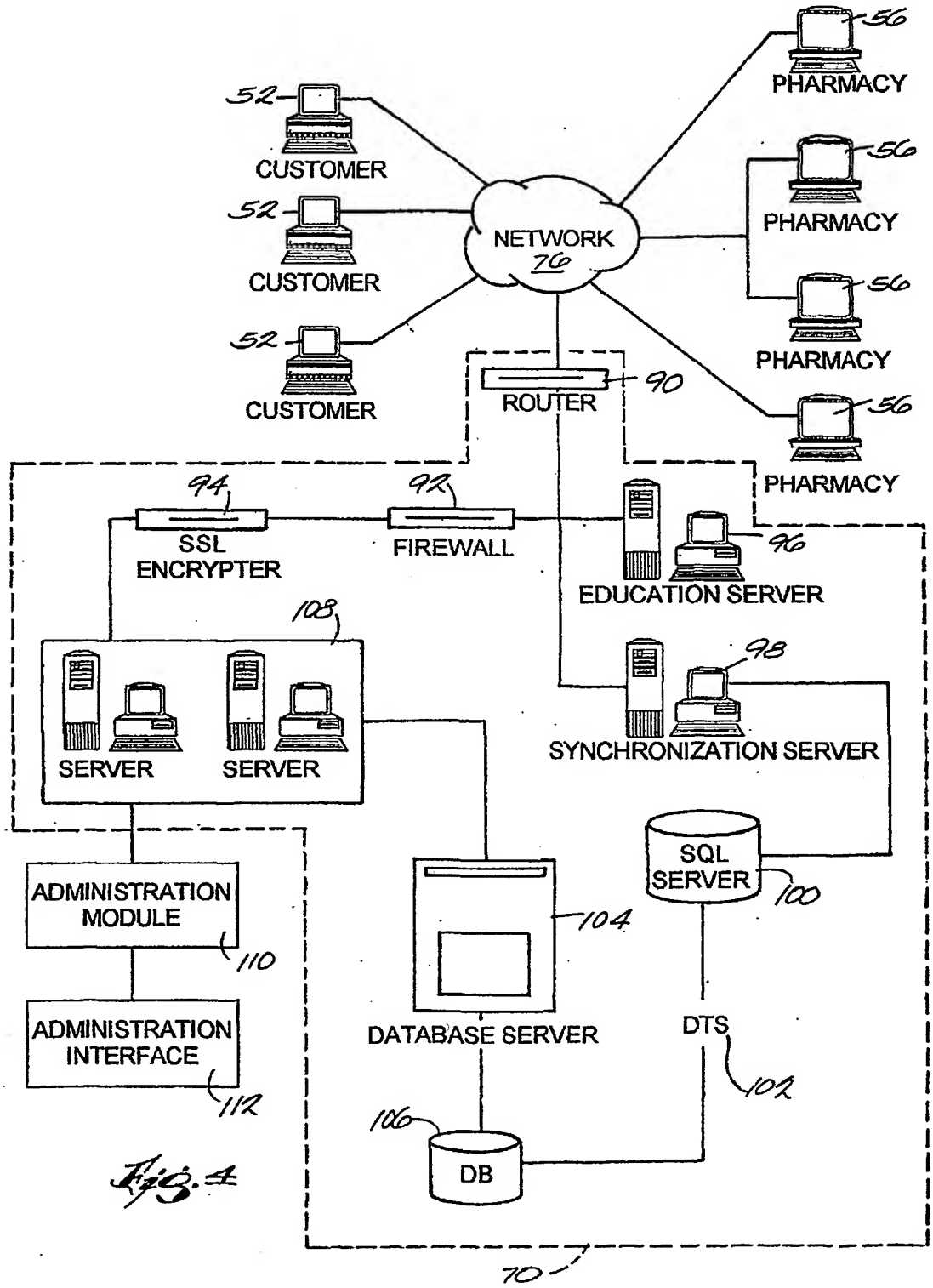

PHARMACY
56
CUSTOMER
52
NETWORK
76
ROUTER
90
SSL ENCRYPTER
94
FIREWALL
92
EDUCATION SERVER
96
SERVER
SERVER
108
SYNCHRONIZATION SERVER
98
SQL SERVER
100
ADMINISTRATION MODULE
110
ADMINISTRATION INTERFACE
112
DATABASE SERVER
104
DTS
102
DB
106
70

Fig. 4

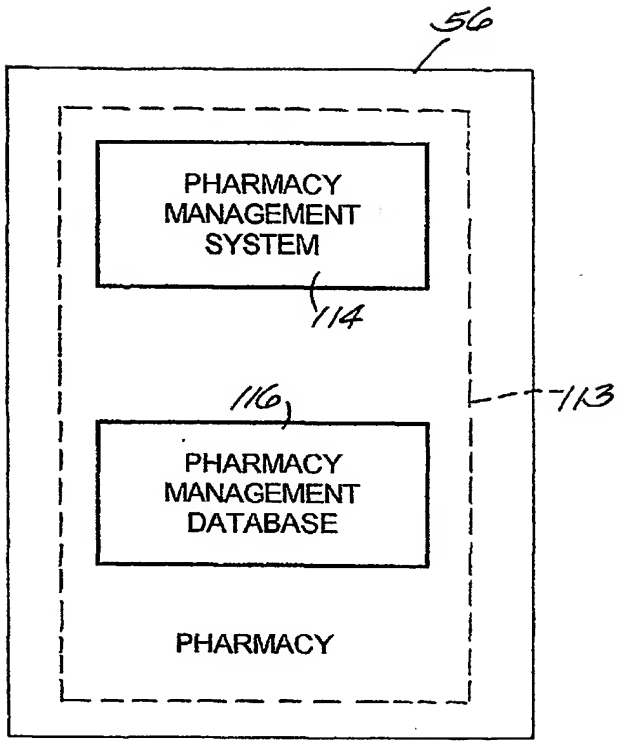

56
PHARMACY MANAGEMENT SYSTEM
114
116
PHARMACY MANAGEMENT DATABASE
113
PHARMACY

Fig. 5.

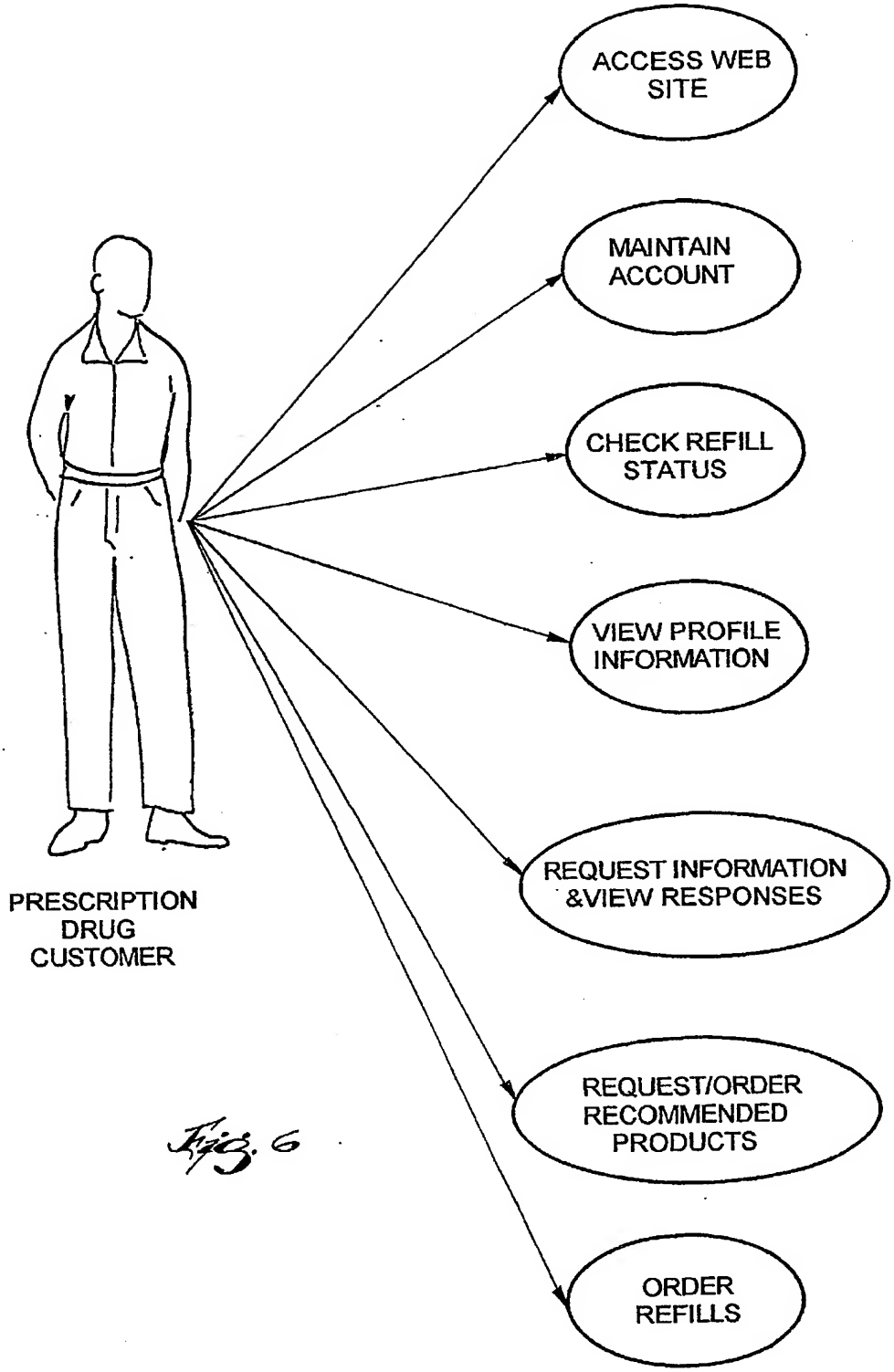

ACCESS WEB SITE
MAINTAIN ACCOUNT
CHECK REFILL STATUS
VIEW PROFILE INFORMATION
REQUEST INFORMATION &VIEW RESPONSES
REQUEST/ORDER RECOMMENDED PRODUCTS
ORDER REFILLS
PRESCRIPTION DRUG CUSTOMER

Fig. 6

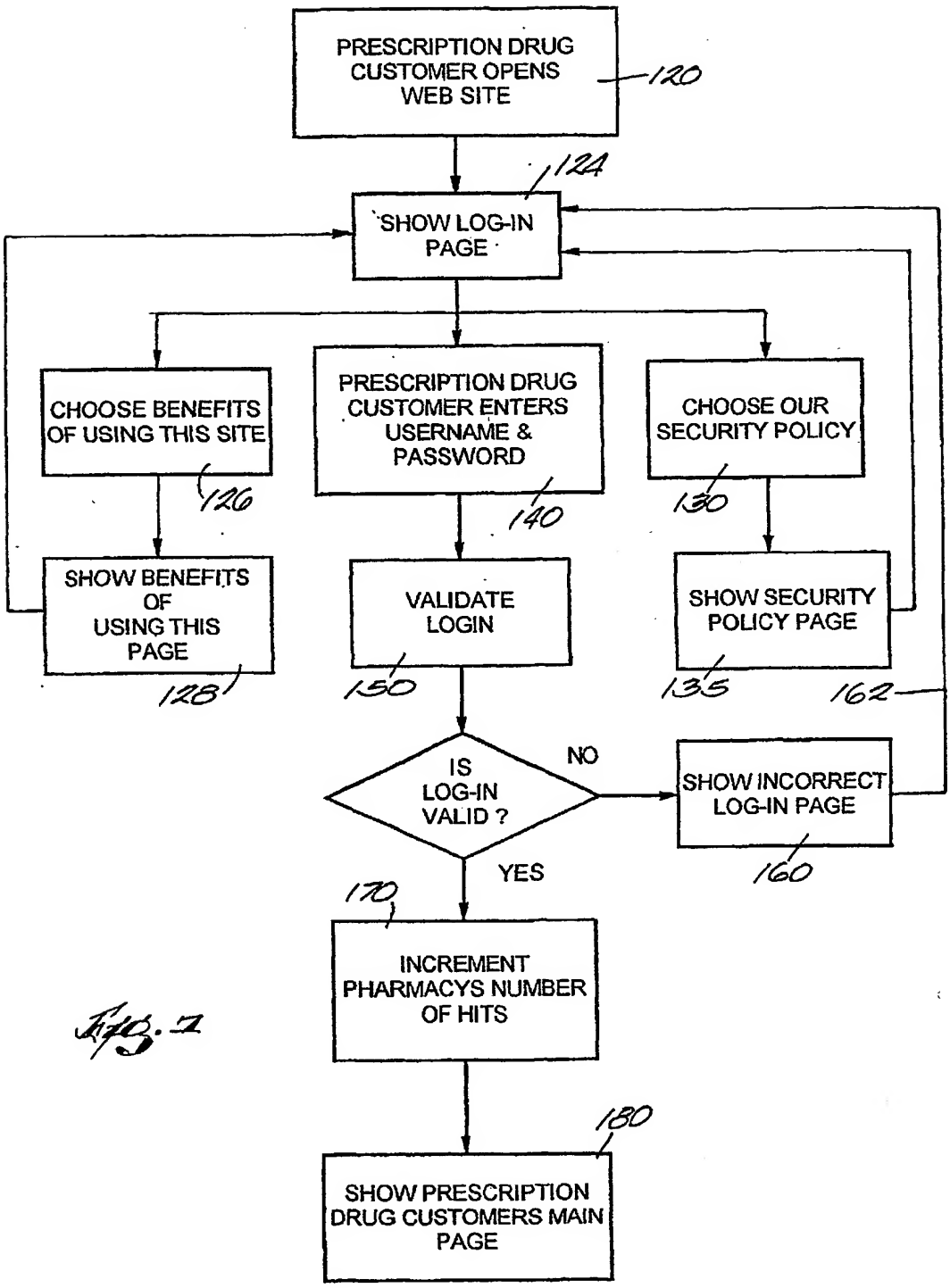

PRESCRIPTION DRUG CUSTOMER OPENS WEB SITE
120
124
SHOW LOG-IN PAGE
CHOOSE BENEFITS OF USING THIS SITE
126
PRESCRIPTION DRUG CUSTOMER ENTERS USERNAME & PASSWORD
140
CHOOSE OUR SECURITY POLICY
130
SHOW BENEFITS OF USING THIS PAGE
128
VALIDATE LOGIN
150
SHOW SECURITY POLICY PAGE
135
162
IS LOG-IN VALID ?
NO
SHOW INCORRECT LOG-IN PAGE
160
YES
170
INCREMENT PHARMACYS NUMBER OF HITS
180
SHOW PRESCRIPTION DRUG CUSTOMERS MAIN PAGE

Fig. 1

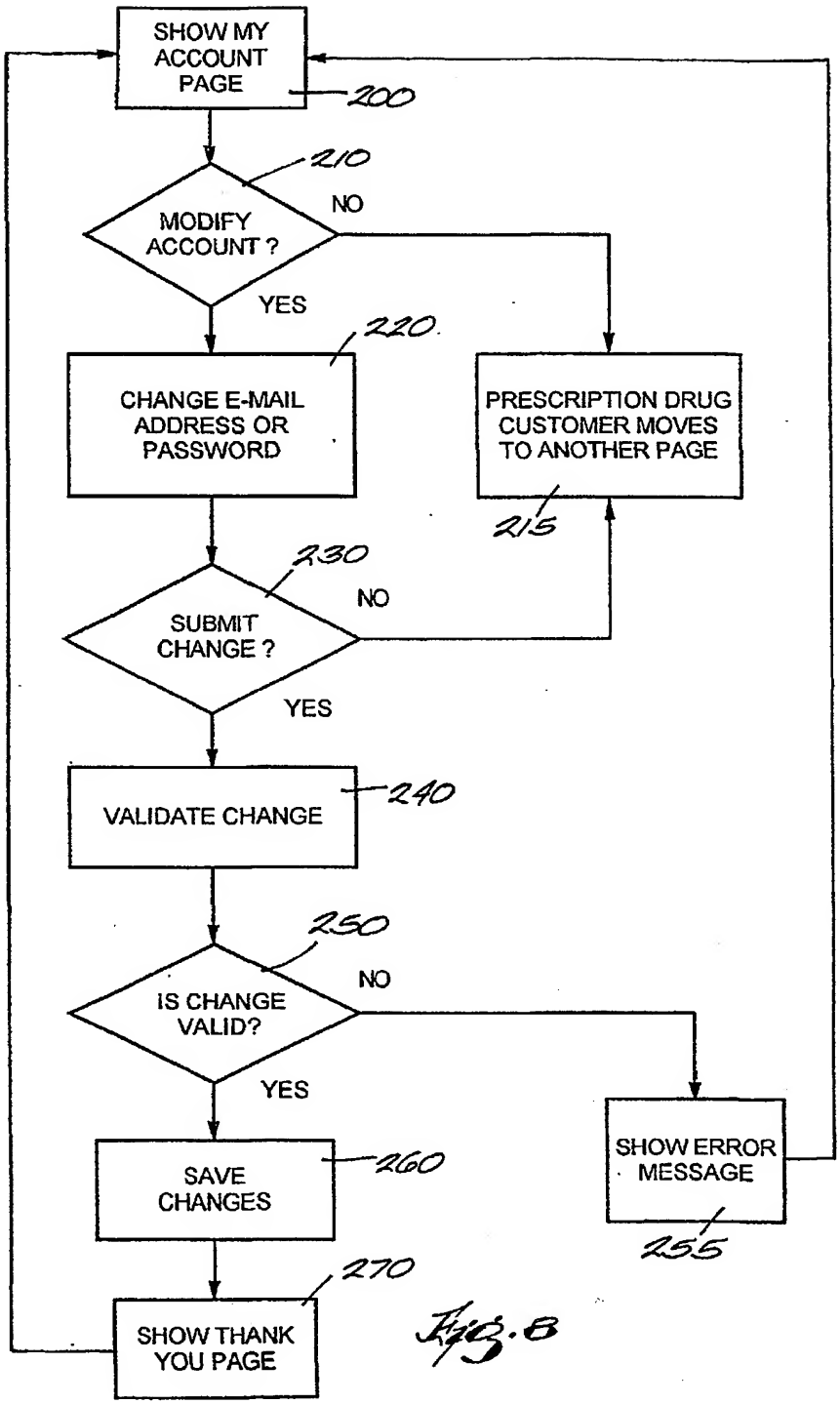



Fig. 8

20020081001

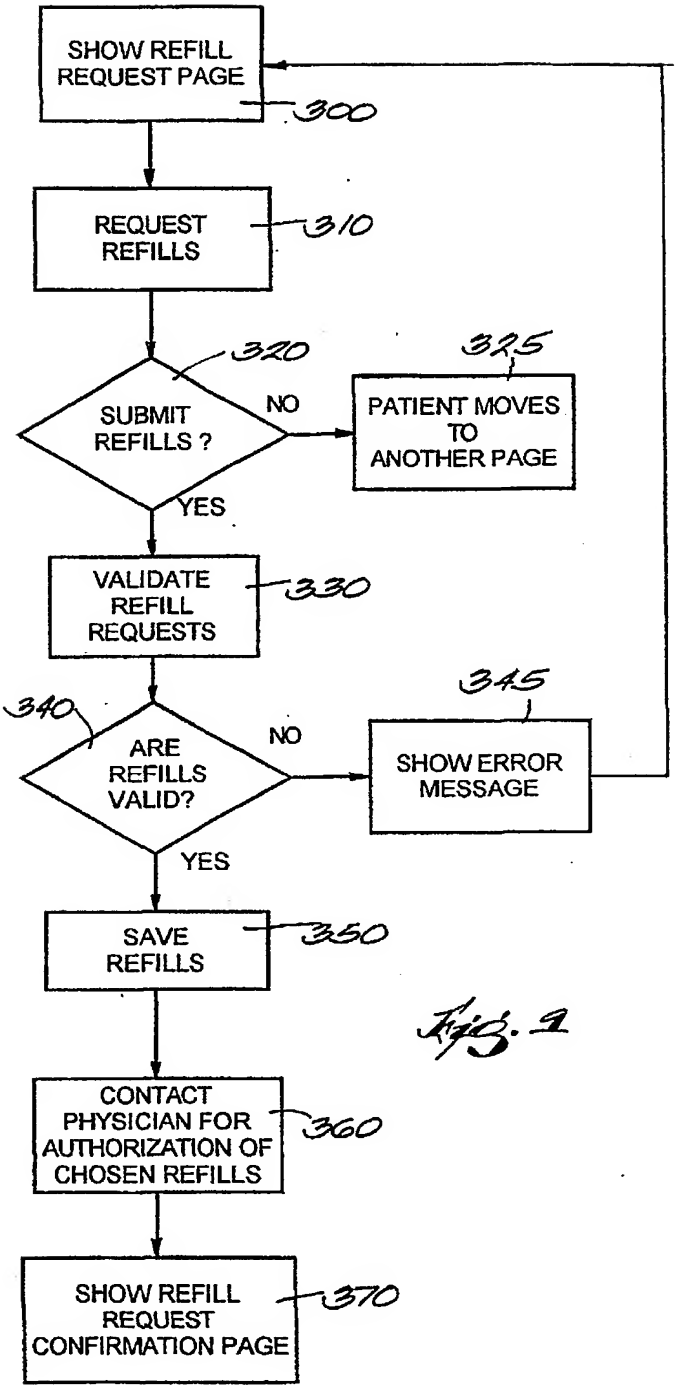

SHOW REFILL REQUEST PAGE
300
REQUEST REFILLS
310
320
SUBMIT REFILLS ?
NO
325
PATIENT MOVES TO ANOTHER PAGE
YES
VALIDATE REFILL REQUESTS
330
340
ARE REFILLS VALID?
NO
345
SHOW ERROR MESSAGE
YES
SAVE REFILLS
350
CONTACT PHYSICIAN FOR AUTHORIZATION OF CHOSEN REFILLS
360
SHOW REFILL REQUEST CONFIRMATION PAGE
370

Fig. 1

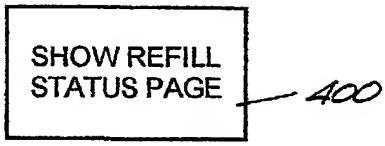



Fig. 10

10049180 090502

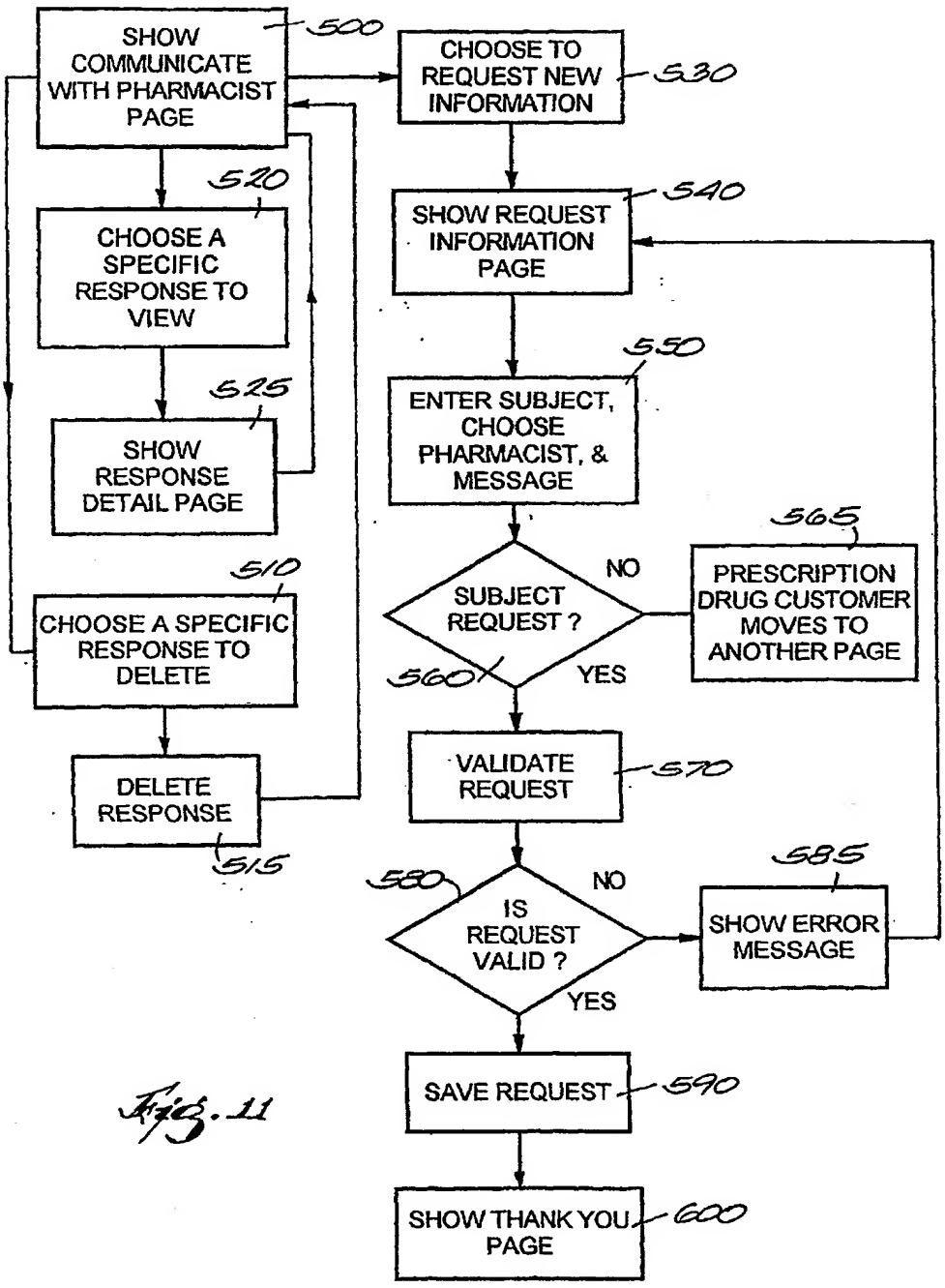

SHOW COMMUNICATE WITH PHARMACIST PAGE
500
CHOOSE TO REQUEST NEW INFORMATION
530
520
CHOOSE A SPECIFIC RESPONSE TO VIEW
SHOW REQUEST INFORMATION PAGE
540
525
SHOW RESPONSE DETAIL PAGE
550
ENTER SUBJECT, CHOOSE PHARMACIST, & MESSAGE
565
510
CHOOSE A SPECIFIC RESPONSE TO DELETE
SUBJECT REQUEST ?
NO
PRESCRIPTION DRUG CUSTOMER MOVES TO ANOTHER PAGE
560
YES
DELETE RESPONSE
VALIDATE REQUEST
570
515
580
IS REQUEST VALID ?
NO
585
SHOW ERROR MESSAGE
YES
SAVE REQUEST
590
SHOW THANK YOU PAGE
600

Fig. 11

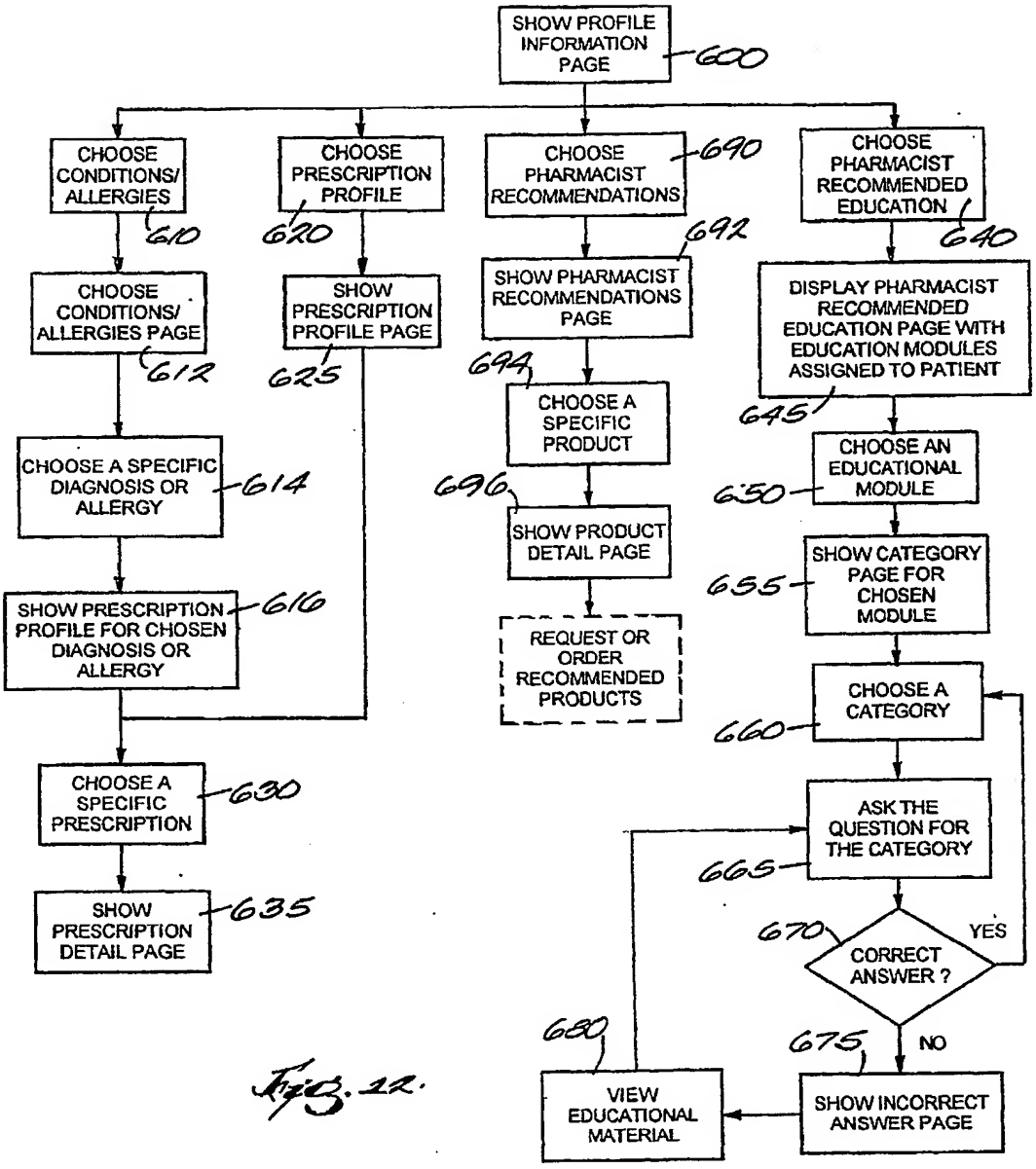

SHOW PROFILE INFORMATION PAGE
600
CHOOSE CONDITIONS/ ALLERGIES
610
CHOOSE PRESCRIPTION PROFILE
620
CHOOSE PHARMACIST RECOMMENDATIONS
690
CHOOSE PHARMACIST RECOMMENDED EDUCATION
640
CHOOSE CONDITIONS/ ALLERGIES PAGE
612
SHOW PRESCRIPTION PROFILE PAGE
625
SHOW PHARMACIST RECOMMENDATIONS PAGE
692
DISPLAY PHARMACIST RECOMMENDED EDUCATION PAGE WITH EDUCATION MODULES ASSIGNED TO PATIENT
645
CHOOSE A SPECIFIC DIAGNOSIS OR ALLERGY
614
CHOOSE A SPECIFIC PRODUCT
694
CHOOSE AN EDUCATIONAL MODULE
650
SHOW PRESCRIPTION PROFILE FOR CHOSEN DIAGNOSIS OR ALLERGY
616
SHOW PRODUCT DETAIL PAGE
696
SHOW CATEGORY PAGE FOR CHOSEN MODULE
655
REQUEST OR ORDER RECOMMENDED PRODUCTS
CHOOSE A CATEGORY
660
CHOOSE A SPECIFIC PRESCRIPTION
630
ASK THE QUESTION FOR THE CATEGORY
665
SHOW PRESCRIPTION DETAIL PAGE
635
CORRECT ANSWER ?
670
YES
NO
675
VIEW EDUCATIONAL MATERIAL
680
SHOW INCORRECT ANSWER PAGE

Fig. 12.

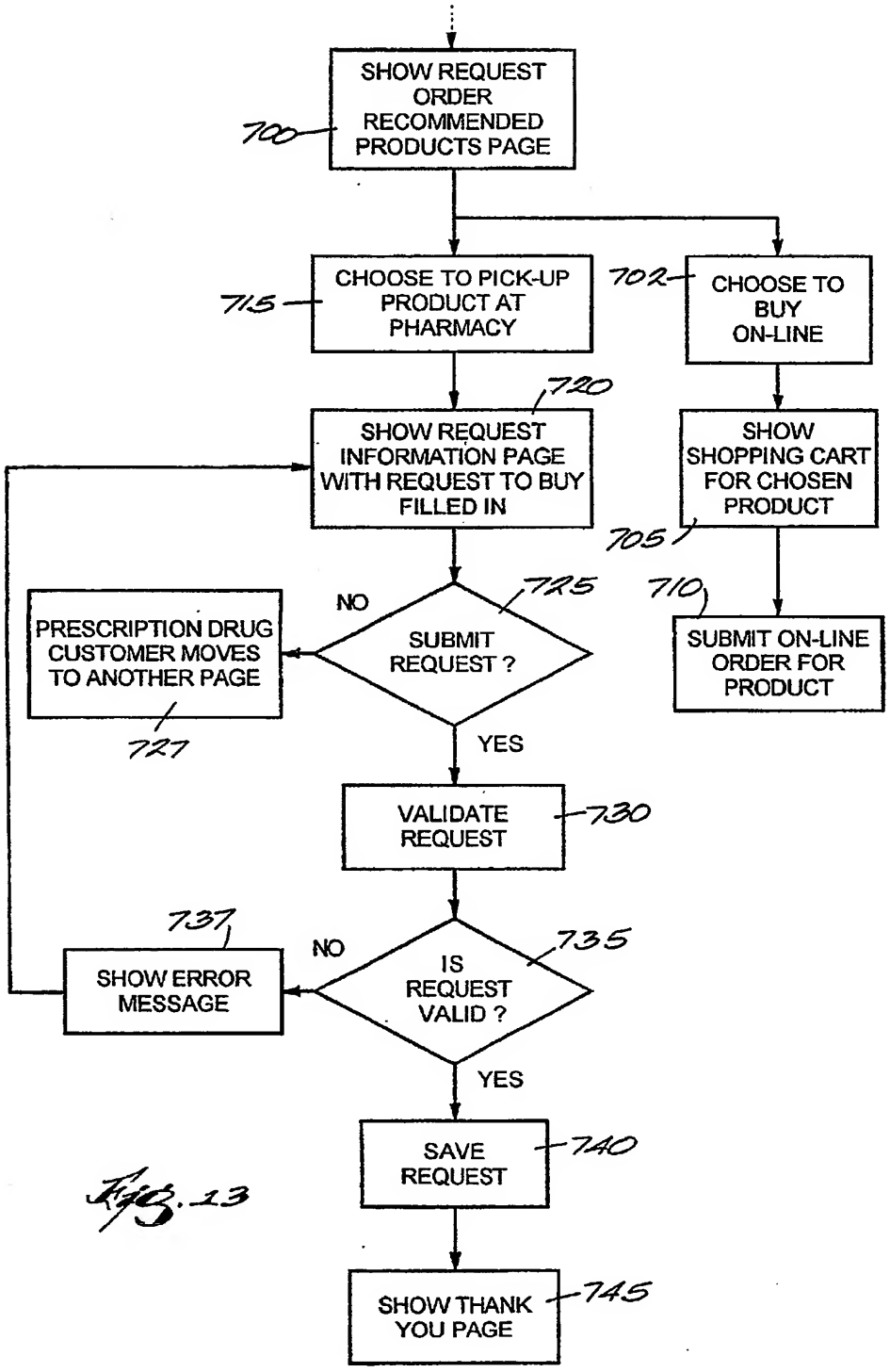

SHOW REQUEST ORDER RECOMMENDED PRODUCTS PAGE
700
CHOOSE TO PICK-UP PRODUCT AT PHARMACY
715
CHOOSE TO BUY ON-LINE
702
SHOW REQUEST INFORMATION PAGE WITH REQUEST TO BUY FILLED IN
720
SHOW SHOPPING CART FOR CHOSEN PRODUCT
705
SUBMIT REQUEST ?
725
NO
PRESCRIPTION DRUG CUSTOMER MOVES TO ANOTHER PAGE
727
YES
SUBMIT ON-LINE ORDER FOR PRODUCT
710
VALIDATE REQUEST
730
IS REQUEST VALID ?
735
NO
SHOW ERROR MESSAGE
737
YES
SAVE REQUEST
740
SHOW THANK YOU PAGE
745

Fig. 13

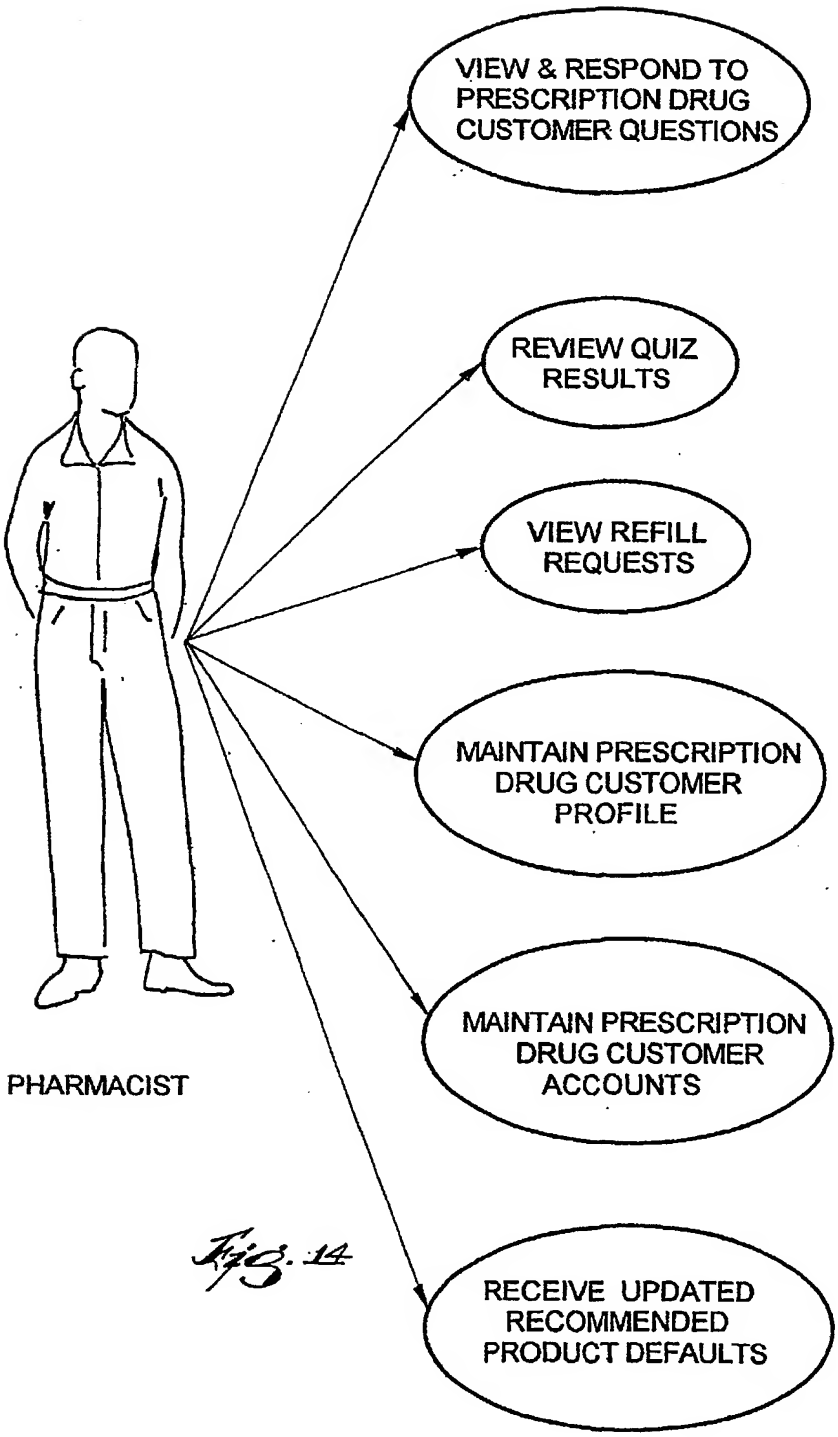



Fig. 14

20020620 08:16:00

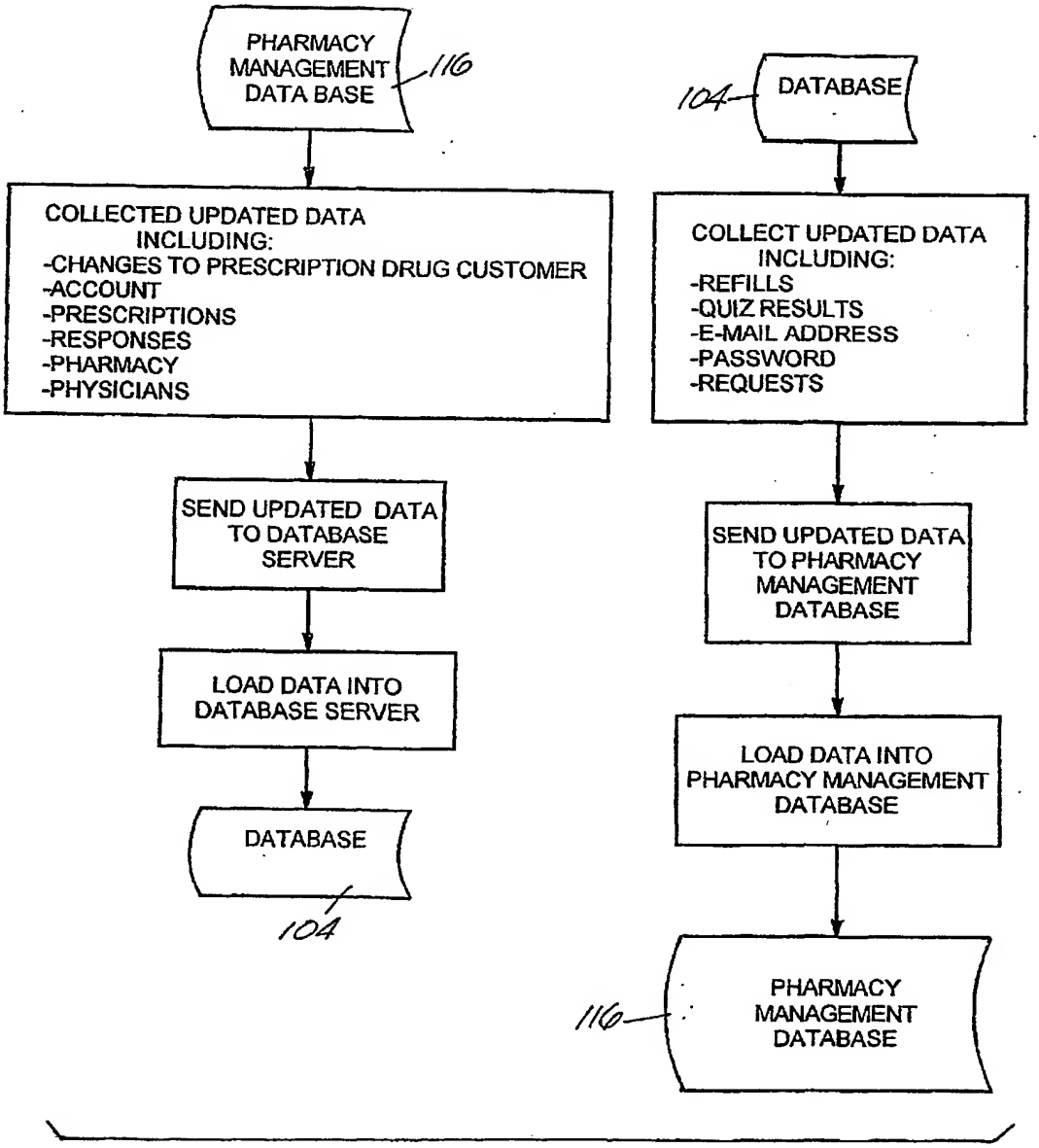

PHARMACY MANAGEMENT DATA BASE
116
COLLECTED UPDATED DATA INCLUDING:
-CHANGES TO PRESCRIPTION DRUG CUSTOMER
-ACCOUNT
-PRESCRIPTIONS
-RESPONSES
-PHARMACY
-PHYSICIANS
SEND UPDATED DATA TO DATABASE SERVER
LOAD DATA INTO DATABASE SERVER
DATABASE
104
104
DATABASE
COLLECT UPDATED DATA INCLUDING:
-REFILLS
-QUIZ RESULTS
-E-MAIL ADDRESS
-PASSWORD
-REQUESTS
SEND UPDATED DATA TO PHARMACY MANAGEMENT DATABASE
LOAD DATA INTO PHARMACY MANAGEMENT DATABASE
116
PHARMACY MANAGEMENT DATABASE

Fig. 15

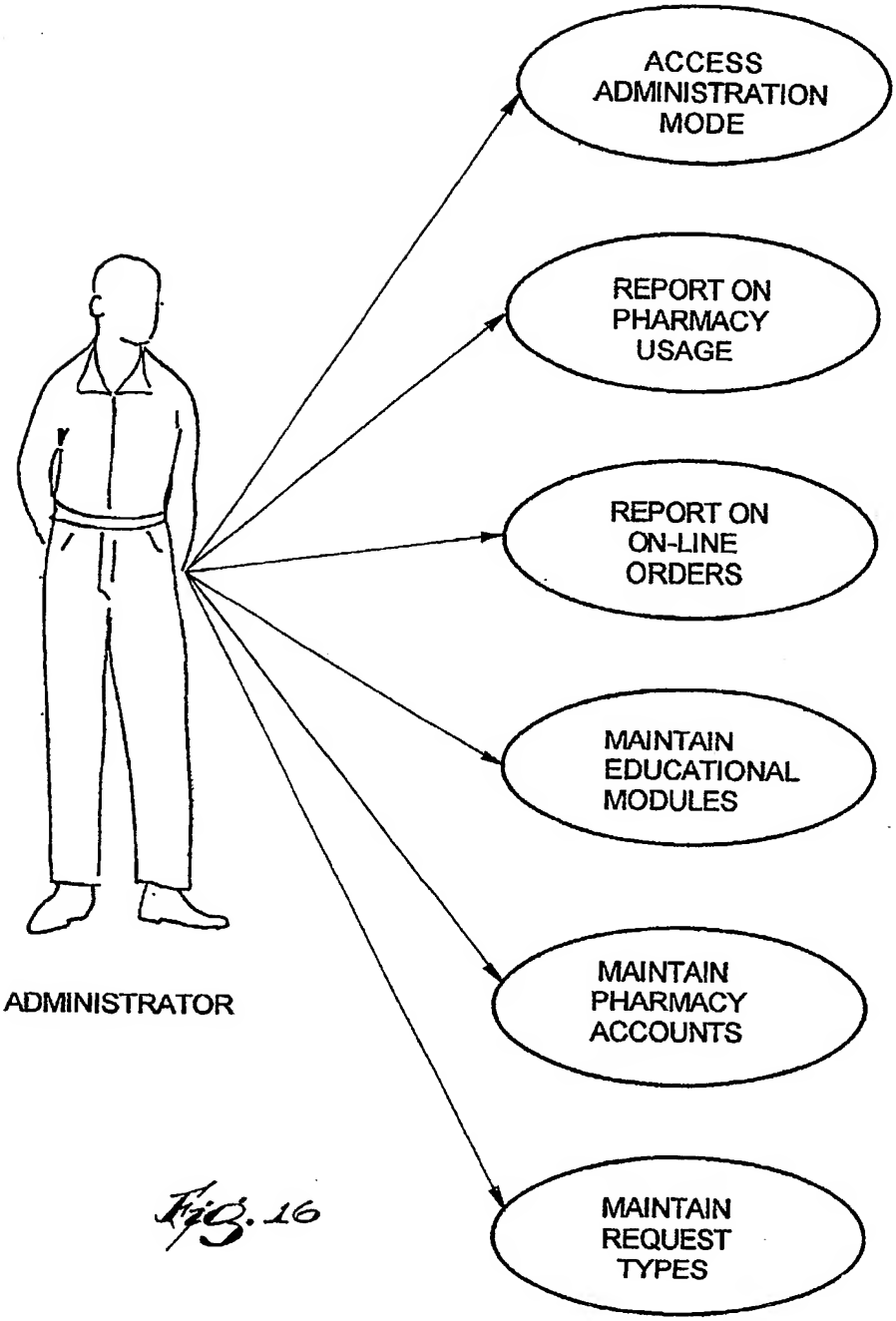

ACCESS ADMINISTRATION MODE
REPORT ON PHARMACY USAGE
REPORT ON ON-LINE ORDERS
MAINTAIN EDUCATIONAL MODULES
MAINTAIN PHARMACY ACCOUNTS
MAINTAIN REQUEST TYPES
ADMINISTRATOR

Fig. 16

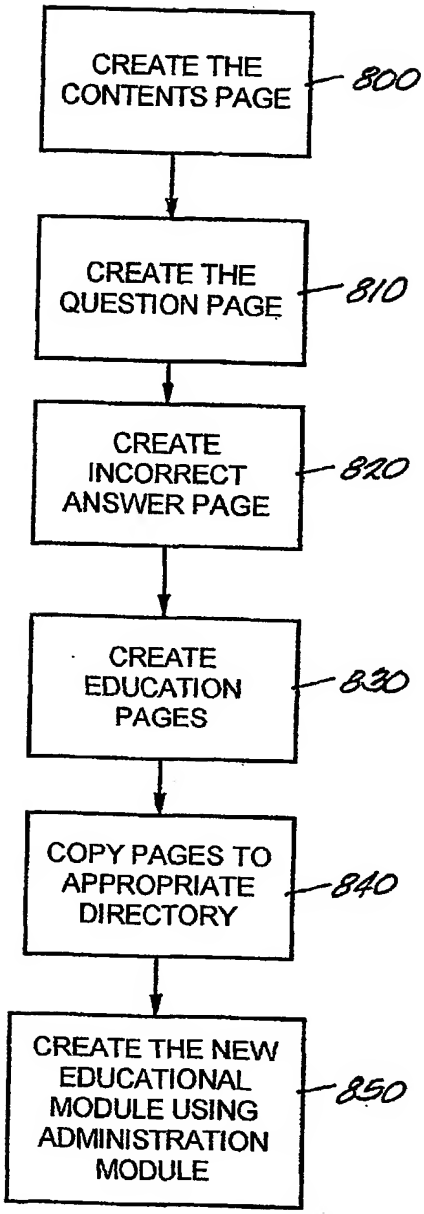
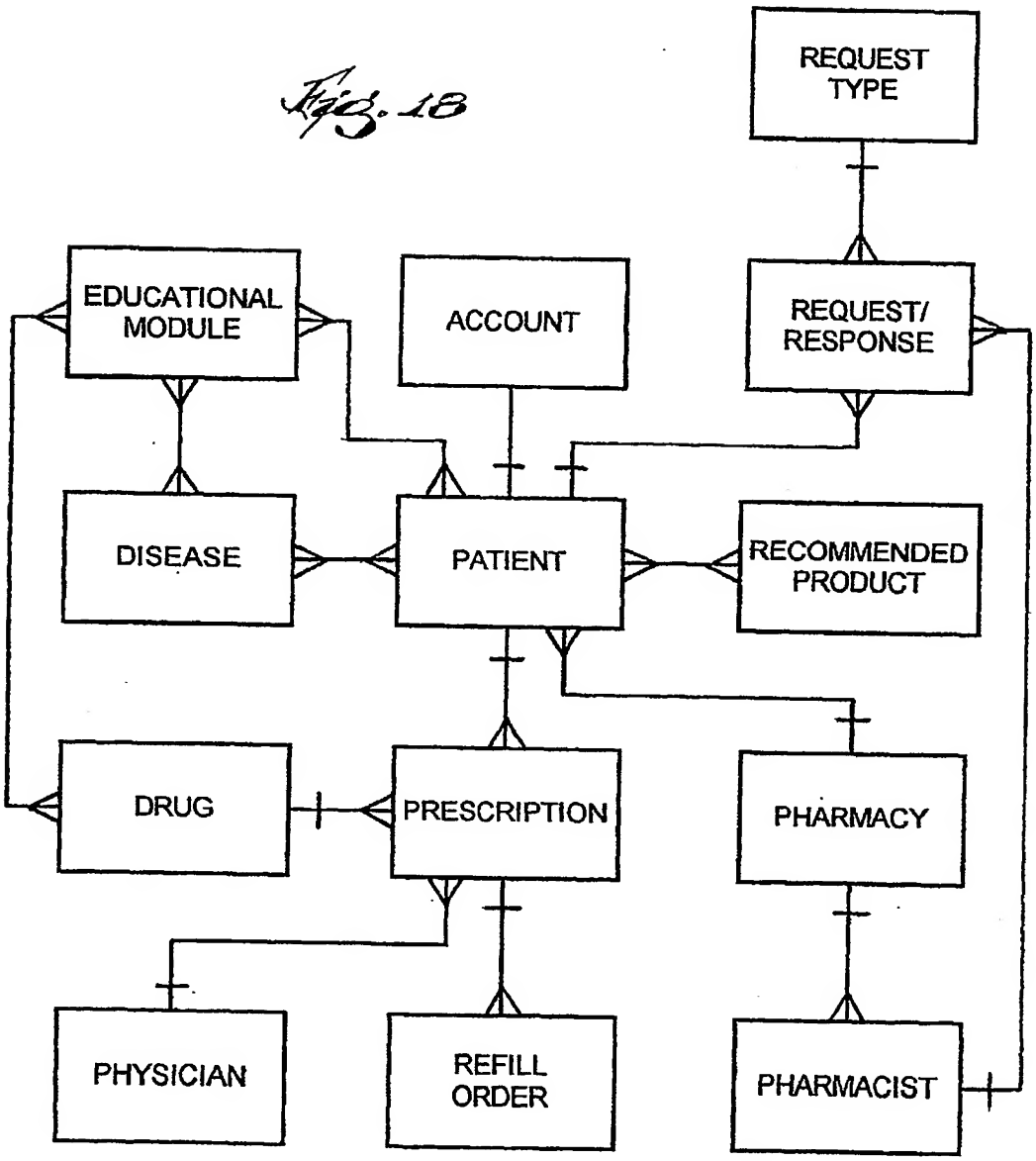



Fig. 17

20050208 "09049180"

Fig. 18


REQUEST TYPE
EDUCATIONAL MODULE
ACCOUNT
REQUEST/ RESPONSE
DISEASE
PATIENT
RECOMMENDED PRODUCT
DRUG
PRESCRIPTION
PHARMACY
PHYSICIAN
REFILL ORDER
PHARMACIST